

Endoscopic full-thickness resection in a recurrent perianastomotic esophagojejunal cancer followed by fully covered metal stent placement for lumen occlusion

An 82-year-old man underwent total gastrectomy for a gastric cancer located in close proximity to the cardia (G2, pT1b, pN2 R0 M0). A follow-up gastroscopy 1 year later showed a flat, slightly elevated lesion in the esophagojejunal anastomosis. The lesion was 15 mm in diameter and had an irregular pit pattern (► **Fig. 1**). Biopsy were performed and histologic examination revealed recurrence of the cancer.

After multidisciplinary consensus, endoscopic management was preferred due to both the high risk associated with major invasive surgical re-treatment and the age of the patient.

Endoscopic full-thickness resection (EFTR) using the FTRD System (Ovesco Endoscopy AG, Tübingen, Germany) was performed. The EFTR device consists of a transparent cap, on which both a 14-mm over-the-scope clip (OTSC) and an integrated oval snare are preloaded. The procedure was performed under deep sedation and using carbon dioxide insufflation.

The lesion was identified endoscopically, marked circumferentially, and grasped into the cap. The OTSC was deployed and the lesion was resected. Repeat endoscopy showed a satisfactory full-thickness resection but an occlusion of the jejunal lumen was observed at the site of the OTSC. Thus, under fluoroscopic guidance, through a 0.035-inch guidewire, a fully covered metal stent (6 cm in length, 28 mm in diameter) was released, bypassing the occluded section at the site of the OTSC (► **Video 1**). The patient was discharged after 2 days of clinical follow-up, and a semisolid diet was suggested.

The stent was removed 3 weeks later. Gastroscopy showed a regular scar (► **Fig. 2**) without residual lumen stenosis.

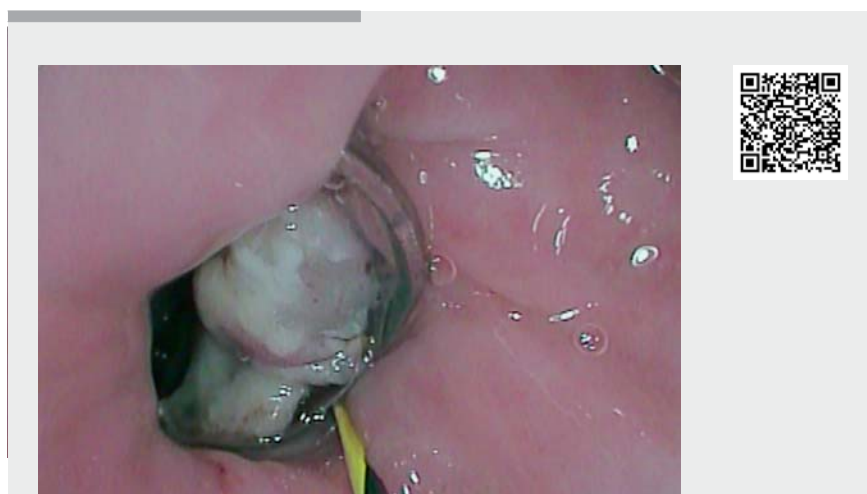
Histologic analysis confirmed the diagnosis of a recurrent signet cell adenocarcinoma (T1b, R0).



► **Fig. 1** Recurrent cancer in the esophagojejunal anastomosis.



► **Fig. 2** Follow-up gastroscopy showed a regular scar.



► **Video 1** Endoscopic full-thickness resection in a recurrent perianastomotic esophagojejunal cancer followed by fully covered metal stent placement for lumen occlusion.

To the best of our knowledge, this is the first published case in which EFTR has been used in a recurrent perianastomotic cancer in the upper gastrointestinal tract [1]. Moreover, stent placement was effective in resolving stenosis when EFTR was complicated by lumen occlusion.

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Competing interests

The authors declare that they have no conflict of interest.

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